

**Table S4:** Adjusted Hazard Ratios (HRs) of components of cardiovascular composite outcome (HR per unit **decrease** in Z-score, representing a SD decrease in the marker)

	Age-sex-race Adjusted	Multivariable (MV) adjusted§	MV§+mGFR§§
	HR (95% CI)	HR (95% CI)	HR (95% CI)
Congestive Heart Failure (196 events/2398 participants)			
mGFR (n=978, 74 events)	1.97 (1.46,2.65)	1.33 (0.96,1.86)	-
eGFRcr	1.67 (1.42,1.97)	1.19 (1.00,1.42)	0.85 (0.56,1.28)
1/BTP	2.30 (1.85,2.86)	1.32 (1.04,1.68)	0.95 (0.60,1.48)
1/B2M	2.56 (2.12,3.09)	1.81 (1.45,2.25)	1.64 (1.00,2.71)
Combination	2.56 (2.13,3.07)	1.97 (1.59,2.45)	1.81 (1.20,2.72)
Myocardial Infarction (110 events/2397 participants)			
mGFR (n=978, 42 events)	1.51 (1.03,2.19)	1.21 (0.81,1.84)	-
eGFRcr	1.20 (0.97,1.48)	0.91 (0.73,1.13)	0.69 (0.41,1.16)
1/BTP	1.54 (1.20,1.97)	1.06 (0.81,1.37)	0.98 (0.58,1.65)
1/B2M	1.66 (1.33,2.07)	1.18 (0.90,1.54)	1.89 (1.00,3.58)
Combination	1.86 (1.47,2.35)	1.41 (1.07,1.87)	2.30 (1.38,3.85)
Cerebrovascular Events (51 events/2398 participants)			
mGFR (n=978 with 21 events)	0.97 (0.62,1.51)	0.62 (0.38,1.01)	-
eGFRcr	1.17 (0.87,1.58)	0.88 (0.64,1.22)	0.66 (0.33,1.32)
1/BTP	1.71 (1.18,2.51)	1.22 (0.81, 1.86)	1.51 (0.69,3.29)
1/B2M	1.69 (1.23,2.34)	1.23 (0.84,1.81)	1.27 (0.54,2.98)
Combination	1.93 (1.36,2.72)	1.48 (0.99,2.21)	1.39 (0.71,2.71)

§ Multivariable model adjusted for age, sex, race, diabetes, hypertension, prevalent cardiovascular disease, smoking status, high density lipoprotein cholesterol, natural log-transformed C-reactive protein, natural log transformed urinary albumin to creatinine ratio.

§§ Models performed in subset of participants with mGFR. For MI and CVA, hypertension omitted from mGFR models due to limited number of events.